

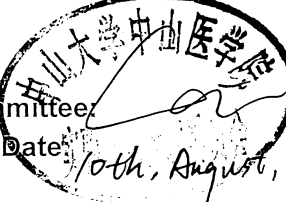
SUN YAT-SEN UNIVERSITY
ZHONGSHAN SCHOOL OF MEDICINE
APPROVAL DOCUMENT IN ETHICS COMMITTEE OF
ZSSOM LABORATORY ANIMAL CARE

Ethics Committee of ZSSOM on Laboratory Animal Care (No.2016-132)

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|---|---|---------------------|---|
| Project name | Tracing and modifying the homing capability of bone marrow derived mesenchymal stem cells | | |
| The content and significance in research | Separate, identify and engineer bone marrow derived mesenchymal stem cells (MSCs) in order to empower the homing ability of MSCs to local inflammatory sites of delayed type hypersensitivity and mark MSCs with fluorescent protein for tracing. | | |
| Principle investigator | Xiang Peng | | |
| Committee members in ethics committee of ZSSOM on laboratory Animal Care | Name | Title | Work unit |
| | Cai Weibin | Professor | Sun Yat -Sen University Zhongshan School of Medicine |
| | Huang Xi | Professor | Sun Yat -Sen University Zhongshan School of Medicine |
| | Wang Yuanzhan | Research Fellow | Southern Medical university Animal laboratory center |
| | Tan Hongmei | Professor | Sun Yat -Sen University Zhongshan School of Medicine |
| | Huang Chaofeng | Associate Professor | Sun Yat -Sen University Zhongshan School of Medicine |
| Voting result: 1. Approve (5) 3. Approve after necessary revise () 2. Disapprove () 4. Stop or suspend the approved experiments () | | | |
| Approval opinion of Ethics Committee of ZSSOM on Laboratory Animal Care: <p>To investigate immunomodulatory capability of MSCs in DTH model, we have reduced the number of animals used in our design. We will establish DTH model of BALB/c mice which will be divided into 4 experiments, including the human MSCs^{EF-1α-CXCR5-IRES-eGFP} group, human MSCs^{EF-1α-eGFP} group, PBS group and control group. Ear tissue section, cytokine will be analyzed after measurement. All the animals will be narcotized by 4% chloral hydrate (150ug/ml) and sacrificed by cervical dislocation. The mice body will receive sanity treatment after cervical dislocation treatment. To be well applied the "3R" principle,</p> | | | |

the experimental technical route has been delicately designed and selected in order to reduce discomfort and suffer of experimental animals which will promise the repeatability of animal experiment.

Signed by the chairman of committee

A circular ink stamp from Sun Yat-sen University School of Medicine. The text "中山大學中山醫學部" (Sun Yat-sen University School of Medicine) is written in Chinese characters around the perimeter of the circle. A handwritten signature is written across the stamp.
Date: 10th, August, 2016